

5     CREATION OF A BIOLOGICAL ATRIOVENTRICULAR BYPASS TO COMPENSATE  
      FOR ATRIOVENTRICULAR BLOCK

Abstract of the Disclosure

      A method of creating an atrioventricular bypass tract for a  
10    heart comprises growing mesenchymal stem cells into a strip  
      with two ends, attaching one end of the strip onto the atrium  
      of the heart, and attaching the other end of the strip to the  
      ventricle of the heart, to create a tract connecting the  
      atrium to the ventricle to provide a path for electrical  
15    signals generated by the sinus node to propagate across the  
      tract and excite the ventricle.